

### About Kurukshetra

Kurukshetra is a place of religious pilgrimage and historical significance. It is the land of Mahabharata and place where sermons of 'Bhagwad Gita' were delivered. In medieval period, Thanesar, the old city, was the seat of power of Harshwardhana. Kurukshetra is well connected with rail/road. It is a railway junction on Delhi-Ambala section and is situated on National Highway No. 1 (G.T. Road). It is approximately 160 km from Delhi and 100 km from Chandigarh. NIT Kurukshetra is about 10 km from Pipli and 6 km from Kurukshetra railway station.

### About NIT Kurukshetra (Institution of National Importance)

National Institute of Technology, Kurukshetra (founded as Regional Engineering College, Kurukshetra in 1963) was conferred upon the status of Deemed University on June 26, 2002. Institute has B.Tech, M.Tech, MBA and MCA Courses in various disciplines with annual intake of about 1500 students. Institute also offers excellent facilities for advanced research in the emerging areas of Science and Technology leading to Ph.D. degree. The institute has well qualified and dedicated faculty along with finest supporting staff, laboratories and other infrastructure. The infrastructure is geared to enable the Institute to turn out technical personnel of a high quality.

### About Dept. of Mechanical Engineering

The Department of Mechanical Engineering is one of the largest departments in the Institute which started its magnificent journey in 1963. Since its inception, the Department has been source of magnetism for meritorious UG, PG and PhD students. The laboratories of the Department are equipped with a wide range of contemporary instruments and machines. The faculty members of the department steer assorted activities through their teaching and diverse research programs, covering numerous facets of Mechanical Engineering and Applications.

### Department of Humanities and Social Sciences

The Department of Humanities and Social Sciences is one of the thirteen teaching Departments of the Institute, equips students with the knowledge and social skills that help them successfully manage people and technology. The department is continuously involved in expanding the teaching-learning process to integrate humanistic values and social concerns with technical education. The department also provides research facilities in the area of Management, Economics, Psychology and English.

#### Patron

**Padam Shree Dr. Satish Kumar**  
Director | NIT Kurukshetra

#### Conveners

**Dr. Dinesh Khanduja**  
Professor & Head | Dept. of Mechanical Engineering

**Dr. Rajneesh**  
Asstt. Professor | Dept. of Mechanical Engineering

#### Course Coordinators

**Dr. Shabnam**  
Asstt. Professor | Dept. of HSS  
[Contact No.: 9416957877]

**Dr. Geeta Sachdeva**  
Asstt. Professor | Dept. of HSS  
[Contact No.: 9034820185]

### Short Term Course

on

### STRUCTURAL EQUATION MODELING (SEM)

(July 22-26, 2019)



*Organized by*

**Dept. of Mechanical Engineering  
&  
Dept. of Humanities and Social Sciences  
National Institute of Technology Kurukshetra  
[Institute of National Importance]  
Kurukshetra-136119  
Haryana, India**

### Important Dates

**Notification about Selection:** June 30, 2019  
**Last date of Registration:** July 05, 2019

**Registration form should be sent to:**  
[stc.sem2019@gmail.com](mailto:stc.sem2019@gmail.com)

## REGISTRATION FORM

Five Days Short Term Course

on

### STRUCTURAL EQUATION MODELING (SEM)

July 22-26, 2019

Name: \_\_\_\_\_

Date of Birth: \_\_\_\_\_

Designation: \_\_\_\_\_

Organization: \_\_\_\_\_

Address for correspondence: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

Qualifications: \_\_\_\_\_

Accommodation required: Yes / No

(Signature of applicant)

Interested applicants need to send scanned registration form to

[stc.sem2019@gmail.com](mailto:stc.sem2019@gmail.com)

The applicant is required to deposit the mentioned fee through SBI

Collect mode of payment after getting shortlisted.

### Registration Fee for the Course

Participants	Fee in Rupees
UG/PG Students & Ph.D Scholars	3000/-
Faculty/Academician	5000/-
Corporate Delegates	7000/-

### About Course

Department of Mechanical Engineering & Humanities and Social Sciences (NIT KKR) endeavours to organize a short-term course on "STRUCTURAL EQUATION MODELING (SEM)". The workshop is designed for faculty members and research scholars in the field of Engineering, Social Sciences and other relevant disciplines. The short-term course will provide a conceptual overview of structural equation modelling approach and then discuss measurement models, measurement issues, fit indices, structural models, model modifications and reporting of results.

### Course Objectives

This short course aims to equip participants with the skills necessary to understand, analyse and interpret the statistical output obtained from software that implements Structural Equation Models. The participant will gain knowledge on how to approach the process of fitting a Structural Equation Model and interpret goodness-of-fit measures.

### Course Contents

- Conceptual overview of Structural Equation Modelling
- Overview of SPSS: Create, manipulate, recode, compute variables, and merge files
- Transform data, testing hypothesis (Parametric & Non Parametric)
- Correlational techniques, Linear regression
- Exploratory Factor Analysis

- Overview of AMOS
- Mediation and moderation effects, Group Moderation, Interaction Moderation analysis
- Measurement Model: Confirmatory Factor Analysis with AMOS
- Model Specification, Model Estimation, Testing and Evaluating Model Fit
- Developing SEM Models, Examination and Modification with AMOS
- Finding, handling Common Bias Error
- Hands-on-Practice with Dummy data
- Writing up the results

### Who should attend

Faculty members / research scholars / PG. Students from academic institutes and Scientists / Engineers working in private / public / Govt. organisations / industries etc. can attend the course. The Registration fee includes the Course Kit, Certificate, High tea, Lunch, and Tea/Coffee during session breaks. No TA/DA will be paid to the participants. Accommodation will be provided on extra payment basis with nominal charges in the institute itself. Participants will be selected on first-come-first serve basis and the total no. of seats are limited to 35. Certificates will be presented to the participants in valedictory ceremony on the last day of the course.